

Advanced Air Conditioning System

AIR CONDITIONING WITH PURIFIED AIR

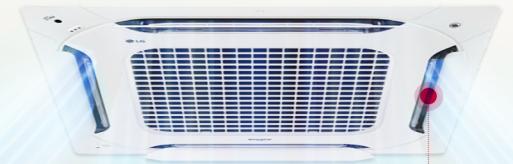
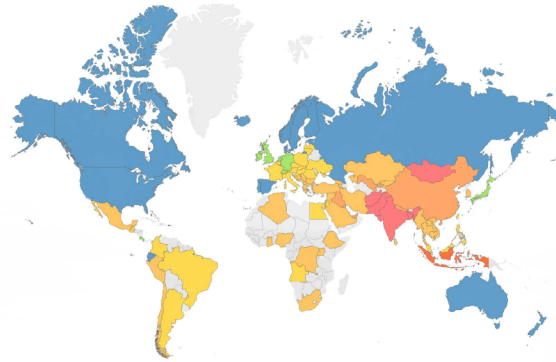


Global Air Quality Status

In many countries around the world, air quality continues to deteriorate. Fine dust is a Group1 carcinogen, and its risk continues to increase.

PM2.5
($\mu\text{g}/\text{m}^3$)

- 250.4
- 150.4
- 55.0
- 45.0
- 35.4
- 20.0
- 12.0
- 10.0
- WHO guideline



Vane Detail View



Innovative Air Flow Control Technology

Dual Vane technology provides 6 types of customer-specific airflow to provide the optimal wind for the space.

	Power Cool, Power Heat		Indirect Wind
	Up/Down Swing		Smart Mode
	Indirect Wind		Refresh Mode

Floor Temperature



Human Detection



*Floor Temperature Sensor & Human Detection Sensor can be purchased as an option.

Real time Air Quality Monitoring

The condition of the air is displayed in different colors on the LED display
The remote control can check the dust concentration in numerical values.

PM 1.0 sensor detects dust density of three sizes.
(fine dust, ultra-fine dust and Micro-fine dust)

You can check the indoor air condition on the cassette panel,
remote control and the smart phone.

LED Color Display



5-Step Air Cleaning Process

5-Step air cleaning process removes invisible, ultra fine dust, odor and germs to ensure a clean and healthy living environment.

IONIZER

DEODORIZATION FILTER

PM 1.0 FILTER

DUST ELECTRIFICATION

PRE - FILTER



IONIZER

Deactivate bacteria and virus.



DEODORIZATION FILTER

High efficiency gas absorption technology removes life odor & harmful gases.



PM 1.0 FILTER

Fine to ultra-fine dust removal of up to 99%.



DUST ELECTRIFICATION

Increases the electrostatic force of particle
Improves filter's collecting efficiency.



PRE - FILTER

Capture fine dust.

Easy Maintenance with Washable filter

The cleaning filter does not need to be replaced and can be used semi- permanently.



Pre - filter

Cleaning every 2 weeks,
washing with water.



Deodorization filter

Cleaning every 6 months, dry.



Dust electrification

No need of replacement.



Ionizer

No need of replacement.



PM 1.0 filter

Cleaning every 6 months,
washing with water.

* Cleaning cycle may vary depending on the usage environment.

Specification

Specification	Unit	1way Cassette		4way Cassette				
		TU	TT	TM	TN	TP	TMA	TPB
Install Image	-							
Model Image	-							
Panel Model	-	PT-UPHGO	PT-TPHGO	PT-MPGWO	PT-AFGWO			
Panel Dimensions	mm	1,160×34×500	1,480×34×500	950×35×950	950×35×950			
Panel weight	kg	4.1	4.9	6.6	7.1			
Kit Model	-	PTAHTPO		PTAHMPO				
Air purification capacity (CADR)	m ³ /min	4.92	5.01	19.1	17.3	9.8	19.6	14.7
Air purification area	m ²	38.9	39.6	147	133.2	75.1	150.9	113.2
HVPS	Input/Output Size	IN : DC 12V Out : -7.7kV / -5.2kV 99 X 50 X 30						
Pre - filter	Material	PP						
	Size	922x21x173	603x21x173	551x24x546	564x24x564			
	Mesh Spec.	42 X 32						
PM1.0 filter	Image							
	Size Weight	mm g	524x18x141 430	500x38x395 2090				
Deodorization filter	Material	Pulp + Carbon (Corrugate)						
	Size	301x11x100		478x14x138				
	Weight Efficiency	g mm %	40 54	180 61 62 93 86				
PM1.0 Sensor	Measure	PM 1.0 / PM 2.5 / PM10.0						
	Size	59x45x16.6						
Ionizer	Size	71x19x30						
	Input/Output Amount of Ion emission	mm EA/cc	IN : DC 12V Out : -3.2kV 3,000,000					



Mobile device



Remote controller



Indoor unit smart indicator